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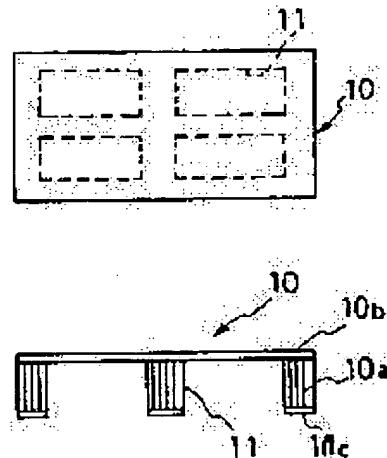
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(54) HONEYCOMB STRUCTURAL BODY

(57)Abstract:

PURPOSE: To form the title structural body of an easy constitution and to practically promote weight lightening by providing both a skin layer on one surface of the honeycomb sanwich panel and a notched part wherein a honeycomb core layer is notched on the other surface.

CONSTITUTION: A honeycomb sandwich panel 10 is formed by pinching a honeycomb core layer 10a such as an aluminum honeycomb with the skin layers 10b, 10c made of carbon fiber reinforced plastic(CFRP). For example, a solar battery cell is placed on one surface of this honeycomb sandwich panel 10. A plurality of notched parts 11 which are notched e.g. into a rectangular shape are formed in the prescribed intervals on the other surface. By this constitution, in the honeycomb sandwich panel 10, both the honeycomb core layer 10a and the skin layers 10b, 10c on the other surface exhibit the action of a so-called reinforcing beam. Strength and rigidity required as the constitutional body are secured. Therefore weight lightening of the honeycomb sandwich panel 10 is realized in comparison with the shape and dimension thereof.



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